

Europäisches Patentamt
European Patent Office
Office européen des brevets



(11) EP 1 074 617 A2

(12)

## **EUROPEAN PATENT APPLICATION**

AN PARENT

BITHIU

(43) Date of publication: 07.02.2001 Bulletin 2001/06

(21) Application number: 00116126.4

(22) Date of filing: 28.07.2000

(51) Int Cl.?: **C12N 15/12**, C12N 15/11, C07K 14/47, C07K 16/18, C12Q 1/68

(84) Designated Contracting States:

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

Designated Extension States:

AL LT LV MK RO SI

(30) Priority: 29.07.1999 JP 24803699

27.08.1999 JP 30025399

11.01.2000 JP 2000118776

02.05.2000 JP 2000183767 cots

09.06.2000 JP 2000241899

(71) Applicant: Helix Research Institute Kisarazu-shi, Chiba 292-0812 JP

(72) Inventors:

- Ota, Toshio
   Fujisawa-shi, Kanagawa 251-0042 JP
- Isogai, Takao Inashiki-gun, Ibaraki 300-0303 JP
- Nishikawa, Tetsuo Itabashi-ku, Tokyo 173-0013 JP

 Hayashi, Kohji Ichihara-shi, Chiba 292-0056 JP

 Saito, Kaoru Kisarazu-shi, Chiba 292-0056 JP

 Yamamoto, Junichi Kisarazu-shi, Chiba 292-0041 JP

Ishli, Shizuko
 Kisarazu-shi, Chiba 292-0812 JP

Sugiyama, Tomoyasu
 Kisarazu-shi, Chiba 292-0045 JP

 Wakamatsu, Ai Kisarazu-shi, Chiba 292-0014 JP

Nagai, Keiichi
 Higashiyamato-shi, Tokyo 207-0022 JP

Otsuki, Tetsuji
 Kisarazu-shi, Chiba 292-0045 JP

OCT 2 5 2002

RECEIVED

(74) Representative: VOSSIUS & PARTNER
Siebertstrasse 4
81675 München DE

TECH CENTER 1600/2901

(54) Primers for synthesising full-length cDNA and their use

(57) Primers for synthesizing full-length cDNAs and their use are provided.

5602 cDNA encoding a human protein has been isolated and nucleotide sequences of 5'-, and 3' -ends of the cDNA have been determined. Furthermore, prim-

ers for synthesizing the full-length cDNA have been provided to clarify the function of the protein encoded by the cDNA. The full-length cDNA of the present invention containing the translation start site provides information useful for analyzing the functions of the protein.

(sample ) one of the files submitted on CD)

ាញជា ។ ជាក្នុងដែល។

करी अधिविधितः

Printed by Jouve, 75001 PARIS (FR)

EP 1 074 617 A